AMENDMENTS TO THE CLAIMS

Claims remaining in the application are as follows:

1. (Currently Amended): An electronic system comprising:

an enclosure; and

a backplane coupled inside the enclosure and ~~having~~ comprising a plurality of slots ~~capable of receiving~~ configured to interchangeably receive a plurality of modules~~, the modules including~~ selected from among multiple different power modules~~, cooling modules,~~ and function modules ~~being capable of~~ adapted for plug insertion into ~~a~~ backplane ~~slot~~ slots, the backplane receiving power and signal connections from external to the enclosure via at least one of the modules rather than internal cabling.

2. (Original): The electronic system according to Claim 1 further comprising:

a plenum airspace including an input plenum and an output plenum.

3. (Currently Amended): The electronic system according to Claim 2 further comprising:

a at least one cooling module ~~plug-inserted~~ plug-inserted into a backplane slot adjacent to the plenum airspace and adapted to move air through the plenum airspace.

4. (Currently Amended): The electronic system according to Claim 2 further comprising:

at least one module including power modules and function modules interchangeably plug-inserted into at least one backplane slot, and ~~having~~ forming an unobstructed airway between the input plenum and the output plenum.

5. (Currently Amended): The electronic system according to Claim 1 further comprising:

at least one module including power modules and function modules having a substantially common height and depth and being an integral number of slots

KOESTNER BERTANI LLP
18662 MACARTHUR BLVD
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0260
FAX (949) 251-0260

wide to enable ~~both~~ a ~~flexible~~ variable number and type of module to be inserted within the enclosure, the power modules and function modules being ~~capable of~~ configured for interchangeable plug insertion into the same backplane slots.

6. (Currently Amended): The electronic system according to Claim 5 further comprising:

at least one power module plug inserted into at least one backplane slot and having a power inlet for receiving system power in a configuration for alternating current (AC) power and direct current (DC) power, the at least one power module having a height and depth substantially common with the height and depth of function modules and being ~~capable of~~ adapted for interchangeable plug insertion into backplane slots in common with function modules.

7. (Currently Amended): The electronic system according to Claim 5 further comprising:

at least one display and control module plug inserted into at least one backplane slot and comprising a user interface for display and input functionality, the at least one display and control module having a height and depth substantially common with the height and depth of function modules and being ~~capable of~~ adapted for interchangeable plug insertion into backplane slots in common with other function modules and power modules.

8. (Currently Amended): The electronic system according to Claim 1 further comprising:

at least one function module plug interchangeably inserted into at least one backplane slot, the function modules being selected from among a group comprising graphics modules, input/output (I/O) modules, Uninterrupted Power Supply (UPS) modules, storage modules, server modules, switch modules, processor modules, memory modules, and combinational modules combining functionality of a plurality of function modules.

KOESTNER BERTANI LLP
16662 MACARTHUR BLVD
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0250
FAX (949) 251-0260

9. (Currently Amended): An electronic system comprising:

an enclosure; and

a backplane ~~having~~ comprising opposing first and second planar sides, the backplane intersecting the enclosure and ~~having~~ comprising a plurality of slots on both the first and second planar sides ~~capable of receiving~~ configured to interchangeably receive a plurality of modules~~, the modules including a plurality of~~ selected from among multiple different module types and functionalities, the backplane receiving power and signal connections from external to the enclosure via at least one of the modules rather than internal cabling.

10. (Currently Amended): The electronic system according to Claim 9 wherein:

the modules include power modules and function modules with substantially common height and depth and being an integral number of slots wide whereby the modules can be interchangeably inserted into at least one backplane slot.

11. (Original): The electronic system according to Claim 9 further comprising:

a first plenum airspace on a first end of the backplane and a second plenum airspace on a second end of the backplane, the first plenum including an input plenum and an output plenum so that cooling air circulates from the input plenum through modules on the first side of the backplane, through the second plenum, through modules on the second side of the backplane, and to the output plenum.

12. (Currently Amended): The electronic system according to Claim 10 further comprising:

at least one cooling module ~~plug-inserted~~ plug-inserted into a backplane slot of the plurality of backplane slots adjacent to the first plenum airspace and adapted to move air through the plenum airspace.

KOESTNER BERTANI LLP
18662 MACARTHUR BLVD
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0250
FAX (949) 251-0260

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13. (Currently Amended): The electronic system according to Claim 9 further comprising:

a plurality of modules including power modules and function modules arranged in slots inserted into the first and second sides of the backplane, and having an unobstructed airway between the input plenum and the output plenum, the power modules and function modules being ~~capable of~~ configured for interchangeable plug insertion into the same backplane slots.

14. (Currently Amended): The electronic system according to Claim 9 further comprising:

at least one power module plug inserted into at least one backplane slot and having a power inlet for receiving system power in a configuration for alternating current (AC) power and direct current (DC) power, the at least one power module having a height and depth substantially common with the height and depth of function modules and being ~~capable of~~ adapted for interchangeable plug insertion into backplane slots in common with the function modules.

15. (Original): The electronic system according to Claim 9 further comprising:

at least one display and control module plug inserted into at least one backplane slot and comprising a user interface for display and input functionality, the at least one display and control module having a height and depth substantially common with the height and depth of function modules.

16. (Currently Amended): The electronic system according to Claim 9 further comprising:

at least one function module plug interchangeably inserted into at least one backplane slot, the function modules being selected from among a group comprising graphics modules, input/output (I/O) modules, Uninterrupted Power Supply (UPS) modules, storage modules, server modules, switch modules, processor modules, memory modules, and combinational modules combining functionality of a plurality of function modules.

KOESTNER BERTANI LLP
18662 MACARTHUR BLVD
SUITE 100
IRVINE, CA 92612
TEL (949) 251-0260
FAX (949) 251-0250

17. (Currently Amended): An electronic system comprising:

an enclosure;

a backplane ~~having~~ comprising opposing first and second planar sides, the backplane intersecting the enclosure and ~~having~~ comprising a plurality of slots on both the first and second planar sides ~~capable of receiving~~ configured to interchangeably receive a plurality of modules, the backplane receiving power and signal connections from external to the enclosure via the modules rather than internal cabling; and

a first plenum airspace on a first end of the backplane and a second plenum airspace on a second end of the backplane, the first plenum including an input plenum and an output plenum so that cooling air circulates from the input plenum through modules on the first side of the backplane, through the second plenum, through modules on the second side of the backplane, and to the output plenum.

18. (Currently Amended): The electronic system according to Claim 17 further comprising:

at least one cooling module ~~plug inserted~~ plug-inserted into a backplane slot adjacent to the first plenum airspace and adapted to move air through the plenum airspace.

19. (Original): The electronic system according to Claim 17 further comprising:

first and second cooling modules plug inserted into respective first side and second side backplane slots adjacent to the input plenum and the output plenum, respectively, and arranged in a push-pull configuration.

20. (Currently Amended): The electronic system according to Claim 17 further comprising:

a plurality of modules including power modules and function modules interchangeably arranged in slots inserted into the first and second sides of the backplane, the modules further comprising:

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18662 MACARTHUR BLVD.
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0250
FAX (949) 251-0260

an unobstructed airway between the input plenum and the output plenum; and

at least one status light-emitting diode (LED) coupled a display panel on the enclosure adjacent the module.

21. (Currently Amended): The electronic system according to Claim 17 further comprising:

at least one power module plug inserted into at least one backplane slot and having a power inlet for receiving system power in a configuration for alternating current (AC) power and direct current (DC) power, the at least one power module having a height and depth substantially common with the height and depth of function modules, and ~~capability of~~ configured for interchangeable insertion into backplane slots in common with the function modules.

22. (Currently Amended): The electronic system according to Claim 17 further comprising:

at least one display and control module plug inserted into at least one backplane slot and comprising a user interface for display and input functionality, the at least one display and control module having a height and depth substantially common with the height and depth of function modules and adapted for interchangeable insertion into one or more backplane slots in common with the function modules.

KOESTNER BERTANI LLP
18662 MACARTHUR BLVD
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0250
FAX (949) 251-0260

23. (Currently Amended): The electronic system according to Claim 17 further comprising:

at least one function module plug interchangeably inserted into at least one backplane slot, the function modules being selected from among a group comprising graphics modules, input/output (I/O) modules, Uninterrupted Power Supply (UPS) modules, storage modules, server modules, switch modules, processor modules, memory modules, and combinational modules combining functionality of a plurality of function modules.

24. (Currently Amended): An electronic system comprising:

means for enclosing a plurality of electronics components;

multiple means for electronically performing a function, ones of the multiple performing means being ~~capable of performing~~ adapted to perform functions selected from among a plurality of types and functions, the multiple performing means having a substantially common height and depth, and being an integral number of slots wide, enabling construction of a wide range of system configurations in terms of module function types and module function redundancy from a single set of modules and a single enclosure;

means for interchangeably inserting and holding the multiple performing means, the inserting and holding means intersecting the enclosing means and being supplied with power and signal connections via the multiple function performing means rather than cabling; and

means for cooling interior to the enclosing means by circulating air around the inserting and holding means and through the multiple performing means.

KOESTNER BERTANI LLP
18662 MACARTHUR BLVD
SUITE 400
IRVINE, CA 92612
TEL (949) 251-0250
FAX (949) 251-0260

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